

BORING TOOL CONTROL USING REMOTE LOCATOR

Abstract of Disclosure

5 There is disclosed a locator/control arrangement for locating and controlling
underground movement of a boring tool which is operated from a drill rig. An
associated method is also disclosed. The boring tool includes means for emitting a
locating signal. The locator/control arrangement includes a portable device for
generating certain information about the position of the boring tool in response to and
10 using the locating signal. In addition, the portable device includes means for generating
command signals in view of the generated certain information and for transmitting the
command signals to the drill rig. Means located at the drill rig then receives the
command signals whereby the command signals can be used to control the boring tool.
In one feature, the means located at the drill rig for receiving the command signals may
15 include means for indicating the command signals to a drill rig operator. In another
feature, the means located at the drill rig for receiving the command signals may
include means for automatically executing the command signals at the drill rig in a way
which eliminates the need for a drill rig operator. Drill rig monitoring means may be
provided for monitoring particular operational parameters of the drill rig. Such
20 monitoring is particularly useful when a drill rig operator is not needed.